

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/564,429
Source: IFWP
Date Processed by STIC: 1/20/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

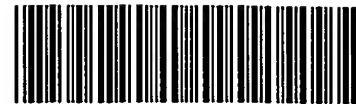
Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06



IFWP

RAW SEQUENCE LISTING

DATE: 01/20/2006

PATENT APPLICATION: US/10/564,429

TIME: 12:07:31

Input Set : E:\son084.txt

Output Set: N:\CRF4\01202006\J564429.raw

3 <110> APPLICANT: BUSCHLE, MICHAEL
 4 FRISCH, JURGEN
 5 KLADE, CHRISTOPH
 6 LINGNAU, KAREN
 7 ZAUNER, WOLFGANG
 8 ZETTLMEISSL, GERD
 10 <120> TITLE OF INVENTION: HCV vaccines
 12 <130> FILE REFERENCE: SONN:084US
 C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/564,429
 C--> 14 <141> CURRENT FILING DATE: 2006-01-11
 14 <150> PRIOR APPLICATION NUMBER: PCT/EP2004/007540
 15 <151> PRIOR FILING DATE: 2004-07-09
 17 <150> PRIOR APPLICATION NUMBER: EP 04450062.7
 18 <151> PRIOR FILING DATE: 2004-07-11
 20 <150> PRIOR APPLICATION NUMBER: EP 03450171.8
 21 <151> PRIOR FILING DATE: 2004-03-12
 23 <160> NUMBER OF SEQ ID NOS: 156
 25 <170> SOFTWARE: PatentIn version 3.1
 27 <210> SEQ ID NO: 1
 29 <211> LENGTH: 15
 31 <212> TYPE: PRT
 33 <213> ORGANISM: HCV vaccines
 35 <400> SEQUENCE: 1
 37 Ala Ala Gln Gly Tyr Lys Val Leu Val Leu Asn Pro Ser Val Ala
 38 1 5 10 15
 40 <210> SEQ ID NO: 2
 42 <211> LENGTH: 17
 44 <212> TYPE: PRT
 46 <213> ORGANISM: HCV vaccines
 48 <400> SEQUENCE: 2
 50 Ala Ala Gln Gly Tyr Lys Val Leu Val Leu Asn Pro Ser Val Ala Ala
 51 1 5 10 15
 53 Thr
 56 <210> SEQ ID NO: 3
 58 <211> LENGTH: 15
 60 <212> TYPE: PRT
 62 <213> ORGANISM: HCV vaccines
 64 <400> SEQUENCE: 3
 66 Ala Ala Trp Tyr Glu Leu Thr Pro Ala Glu Thr Thr Val Arg Leu
 67 1 5 10 15
 69 <210> SEQ ID NO: 4
 71 <211> LENGTH: 16
 73 <212> TYPE: PRT

Does Not Comply
Corrected Diskette Needed

PP 6-7

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75 <213> ORGANISM: HCV vaccines
77 <400> SEQUENCE: 4
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84 <211> LENGTH: 15
86 <212> TYPE: PRT
88 <213> ORGANISM: HCV vaccines
90 <400> SEQUENCE: 5
92 Ala Phe Cys Ser Ala Met Tyr Val Gly Asp Leu Cys Gly Ser Val
93 1          5          10          15
95 <210> SEQ ID NO: 6
97 <211> LENGTH: 15
99 <212> TYPE: PRT
101 <213> ORGANISM: HCV vaccines
103 <400> SEQUENCE: 6
105 Ala Gly Ala Ala Trp Tyr Glu Leu Thr Pro Ala Glu Thr Thr Val
106 1          5          10          15
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110 <211> LENGTH: 9
112 <212> TYPE: PRT
114 <213> ORGANISM: HCV vaccines
116 <400> SEQUENCE: 7
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119 1          5
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123 <211> LENGTH: 20
125 <212> TYPE: PRT
127 <213> ORGANISM: HCV vaccines
129 <400> SEQUENCE: 8
131 Ala Arg Leu Ile Val Phe Pro Asp Leu Gly Val Arg Val Cys Glu Lys
132 1          5          10          15
134 Met Ala Leu Tyr
135          20
137 <210> SEQ ID NO: 9
139 <211> LENGTH: 10
141 <212> TYPE: PRT
143 <213> ORGANISM: HCV vaccines
145 <400> SEQUENCE: 9
147 Ala Tyr Ala Ala Gln Gly Tyr Lys Val Leu
148 1          5          10
150 <210> SEQ ID NO: 10
152 <211> LENGTH: 13
154 <212> TYPE: PRT
156 <213> ORGANISM: HCV vaccines
158 <400> SEQUENCE: 10
160 Ala Tyr Ala Ala Gln Gly Tyr Lys Val Leu Ala Ala Thr
161 1          5          10
163 <210> SEQ ID NO: 11

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165 <211> LENGTH: 16
167 <212> TYPE: PRT
169 <213> ORGANISM: HCV vaccines
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178 <211> LENGTH: 16
180 <212> TYPE: PRT
182 <213> ORGANISM: HCV vaccines
184 <400> SEQUENCE: 12
186 Ala Tyr Ala Ala Gln Gly Tyr Lys Val Leu Val Leu Asn Pro Ser Val
187 1          5          10          15
189 <210> SEQ ID NO: 13
191 <211> LENGTH: 18
193 <212> TYPE: PRT
195 <213> ORGANISM: HCV vaccines
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200 1          5          10          15
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207 <211> LENGTH: 19
209 <212> TYPE: PRT
211 <213> ORGANISM: HCV vaccines
213 <400> SEQUENCE: 14
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216 1          5          10          15
218 Ala Ala Thr
221 <210> SEQ ID NO: 15
223 <211> LENGTH: 9
225 <212> TYPE: PRT
227 <213> ORGANISM: HCV vaccines
230 <400> SEQUENCE: 15
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233 1          5
235 <210> SEQ ID NO: 16
237 <211> LENGTH: 10
239 <212> TYPE: PRT
241 <213> ORGANISM: HCV vaccines
244 <400> SEQUENCE: 16
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249 <210> SEQ ID NO: 17
251 <211> LENGTH: 9
253 <212> TYPE: PRT
255 <213> ORGANISM: HCV vaccines
258 <400> SEQUENCE: 17
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261 1          5
263 <210> SEQ ID NO: 18
265 <211> LENGTH: 15
267 <212> TYPE: PRT
269 <213> ORGANISM: HCV vaccines
272 <400> SEQUENCE: 18
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275 1          5          10          15
277 <210> SEQ ID NO: 19
279 <211> LENGTH: 9
281 <212> TYPE: PRT
283 <213> ORGANISM: HCV vaccines
286 <400> SEQUENCE: 19
288 Asp Leu Met Gly Tyr Ile Pro Ala Val
289 1          5
291 <210> SEQ ID NO: 20
293 <211> LENGTH: 9
295 <212> TYPE: PRT
297 <213> ORGANISM: HCV vaccines
300 <400> SEQUENCE: 20
302 Asp Leu Met Gly Tyr Ile Pro Leu Val
303 1          5
305 <210> SEQ ID NO: 21
307 <211> LENGTH: 10
309 <212> TYPE: PRT
311 <213> ORGANISM: HCV vaccines
314 <400> SEQUENCE: 21
316 Asp Leu Met Gly Tyr Ile Pro Ala Val Gly
317 1          5          10
319 <210> SEQ ID NO: 22
321 <211> LENGTH: 10
323 <212> TYPE: PRT
325 <213> ORGANISM: HCV vaccines
328 <400> SEQUENCE: 22
330 Asp Leu Met Gly Tyr Ile Pro Leu Val Gly
331 1          5          10
333 <210> SEQ ID NO: 23
335 <211> LENGTH: 12
337 <212> TYPE: PRT
339 <213> ORGANISM: HCV vaccines
341 <400> SEQUENCE: 23
343 Asp Leu Met Gly Tyr Ile Pro Ala Val Gly Ala Pro
344 1          5          10
346 <210> SEQ ID NO: 24
348 <211> LENGTH: 12
350 <212> TYPE: PRT
352 <213> ORGANISM: HCV vaccines
354 <400> SEQUENCE: 24
356 Asp Leu Met Gly Tyr Ile Pro Leu Val Gly Ala Pro

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Input Set : E:\son084.txt

Output Set: N:\CRF4\01202006\J564429.raw

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357 1          5          10
359 <210> SEQ ID NO: 25
361 <211> LENGTH: 13
363 <212> TYPE: PRT
365 <213> ORGANISM: HCV vaccines
368 <400> SEQUENCE: 25
370 Asp Leu Met Gly Tyr Ile Pro Ala Val Gly Ala Pro Leu
371 1          5          10
373 <210> SEQ ID NO: 26
375 <211> LENGTH: 13
377 <212> TYPE: PRT
379 <213> ORGANISM: HCV vaccines
382 <400> SEQUENCE: 26
384 Asp Leu Met Gly Tyr Ile Pro Leu Val Gly Ala Pro Leu
385 1          5          10
387 <210> SEQ ID NO: 27
389 <211> LENGTH: 14
391 <212> TYPE: PRT
393 <213> ORGANISM: HCV vaccines
396 <400> SEQUENCE: 27
398 Asp Leu Met Gly Tyr Ile Pro Ala Leu Val Gly Ala Pro Leu
399 1          5          10
401 <210> SEQ ID NO: 28
403 <211> LENGTH: 9
405 <212> TYPE: PRT
407 <213> ORGANISM: HCV vaccines
410 <400> SEQUENCE: 28
412 Asp Leu Met Gly Tyr Ile Pro Ala Val
413 1          5
415 <210> SEQ ID NO: 29
417 <211> LENGTH: 9
419 <212> TYPE: PRT
421 <213> ORGANISM: HCV vaccines
424 <400> SEQUENCE: 29
426 Asp Leu Met Gly Tyr Ile Pro Leu Val
427 1          5
429 <210> SEQ ID NO: 30
431 <211> LENGTH: 11
433 <212> TYPE: PRT
435 <213> ORGANISM: HCV vaccines
438 <400> SEQUENCE: 30
440 Asp Leu Met Gly Tyr Ile Pro Leu Val Gly Ala
441 1          5          10
443 <210> SEQ ID NO: 31
445 <211> LENGTH: 13
447 <212> TYPE: PRT
449 <213> ORGANISM: HCV vaccines
452 <400> SEQUENCE: 31
454 Asp Leu Met Gly Tyr Ile Pro Leu Val Gly Ala Pro Leu

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10/564,429 6

<210> 154
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<220>
<221> MOD_RES
<222> (1)..(11)

<223> *insert this and which residue(s) Xaa's represent*

<400> 154
Xaa Glx Xaa Glx Glx Glx Glx Glx Xaa Glx Xaa
1 5 10

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/564,429

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Input Set : E:\son084.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:152; Xaa Pos. 1,3,7,9
Seq#:153; Xaa Pos. 1,3,8,10
Seq#:154; Xaa Pos. 1,3,9,11
Seq#:155; Xaa Pos. 1,3,10,12
Seq#:156; Xaa Pos. 1,3,11,13

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/564,429

DATE: 01/20/2006

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Input Set : E:\son084.txt

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L:14 M:270 C: Current Application Number differs, Replaced Current Application No

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:2269 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:152 after pos.:0

L:2288 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:153 after pos.:0

L:2306 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:154 after pos.:0

L:2325 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:155 after pos.:0

L:2344 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:156 after pos.:0